

Contents

Volume 146, February 15, 1991

MARIA DA GRAÇA MARQUES (Lisboa, Portugal) Matrices With Prescribed Nonprincipal Blocks and the Trace Function	1
LEROY B. BEASLEY (Logan, Utah) AND NORMAN J. PULLMAN (Kingston, Ontario, Canada) Linear Operators Preserving Idempotent Matrices Over Fields	7
CHI-KWONG LI (Williamsburg, Virginia) Some Results on the Generalized k -Numerical Range	21
K. MANJUNATHA PRASAD, K. P. S. BHASKARA RAO (Bangalore, India), AND R. B. BAPAT (New Delhi, India) Generalized Inverses Over Integral Domains. II. Group Inverses and Drazin Inverses	31
WEN-WEI LIN AND C. W. CHEN (Hsinchu, Taiwan) An Acceleration Method for Computing the Generalized Eigenvalue Problem on a Parallel Computer	49
A. BOUCHET AND A. DUCHAMP (Le Mans, France) Representability of Δ -Matroids Over $GF(2)$	67
R. W. BROCKETT (Cambridge, Massachusetts) Dynamical Systems That Sort Lists, Diagonalize Matrices, and Solve Linear Programming Problems	79
LIU XING-PING (Beijing, Peoples' Republic of China) Convergence of Preconditioned Iterative Methods	93
FERNANDO C. SILVA (Lisboa, Portugal) Matrices With Nonzero Entries	111
ERICH W. ELLERS AND JERRY MALZAN (Toronto, Ontario, Canada) Products of λ -Transvections in $Sp(2n, q)$	121
P. A. FUHRMANN (Beer Sheva, Israel) A Polynomial Approach to Hankel Norm and Balanced Approximations	133
CARL DE BOOR (Madison, Wisconsin) REPORT: An Alternative Approach to (the Teaching of) Rank, Basis, and Dimension	221
AUTHOR INDEX	231